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Page(s): 1342 -1346 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) **IEEE CNF****2 Terrain-adaptive transform coding of multispectral data***Saghri, J.A.; Tescher, A.C.; Reagan, J.T.;*

Geoscience and Remote Sensing Symposium, 1994. IGARSS '94.

'Surface and Atmospheric Remote Sensing: Technologies, Data Analysis and Interpretation',, International , Volume: 1 , 8-12 Aug. 1994

Page(s): 313 -316 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) **IEEE CNF****3 Near lossless transform coding of multispectral images***Tescher, A.G.; Reagan, J.T.; Saghri, J.A.;*

Geoscience and Remote Sensing Symposium, 1996. IGARSS '96.

'Remote Sensing for a Sustainable Future.', International , Volume: 2 , 27-31 May 1996

Page(s): 1020 -1022 vol.2

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*Saghri, J.A.; Tescher, A.G.;*  
Geoscience and Remote Sensing Symposium, 1999. IGARSS '99  
Proceedings. IEEE 1999 International , Volume: 4 , 28 June-2 July  
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Page(s): 2046 -2050 vol.4

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[\[Abstract\]](#) [\[PDF Full-Text \(696 KB\)\]](#) **IEEE CNF**

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## **5 Adaptive Transform Coding Based on Chain Coding Concepts**

*Saghri, J.; Tescher, A.;*  
Communications, IEEE Transactions on [legacy, pre - 1988] ,  
Volume: 34 Issue: 2 , Feb 1986  
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## **6 Practical transform coding of multispectral imagery**

*Saghri, J.A.; Tescher, A.G.; Reagan, J.T.;*  
Signal Processing Magazine, IEEE , Volume: 12 Issue: 1 , Jan. 1995  
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*Epstein, B.R.; Hingorani, R.; Shapiro, J.M.; Czigler, M.;*  
Geoscience and Remote Sensing Symposium, 1992. IGARSS '92.  
International, 26-29 May 1992  
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Image Processing and Its Applications, 1997., Sixth International Conference on, Volume: 1, 14-17 July 1997

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Signals, Systems and Computers, 1993. 1993 Conference Record of The Twenty-Seventh Asilomar Conference on , 1-3 Nov. 1993

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**5 Multispectral image compression algorithms**

*Markas, T.; Reif, J.;*

Data Compression Conference, 1993. DCC '93. , 30 March-2 April 1993

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**6 Multispectral-image coding by spectral classification**

*Finelli, M.; Gelli, G.; Poggi, G.;*

Image Processing, 1996. Proceedings., International Conference on , Volume: 1 , 16-19 Sept. 1996

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**7 Coding of spectrally homogeneous regions in multispectral image compression**

*Fernandez, G.; Wittenbrink, C.M.;*

Image Processing, 1996. Proceedings., International Conference on , Volume: 1 , 16-19 Sept. 1996

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**8 Lossless compression of multispectral images with interband prediction error deltas**

*Spring, J.M.; Langdon, G.G., Jr.;*

Signals, Systems and Computers, 1996. 1996 Conference Record of the Thirtieth Asilomar Conference on , Volume: 1 , 3-6 Nov. 1996

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**9 Experiments in the lossless compression of time series satellite images using multispectral image compression techniques**

*Spring, J.M.; Langdon, G.G., Jr.;*

Signals, Systems & Computers, 1997. Conference Record of the Thirty-First Asilomar Conference on , Volume: 2 , 2-5 Nov. 1997

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**10 Arithmetic coded vector SPIHT with classified tree-multistage VQ for color image coding**

*Mukherjee, D.; Mitra, S.K.;*

Multimedia Signal Processing, 1998 IEEE Second Workshop on , 7-9 Dec. 1998

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**11 Multispectral image coding using lattice VQ and the wavelet transform**

*Vaisey, J.; Barlaud, M.; Antonini, M.;*

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**12 Multispectral image compression**

*Kaarna, A.; Zemcik, P.; Kalviainen, H.; Parkkinen, J.;*

Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on , Volume: 2 , 16-20 Aug. 1998

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**13 Multispectral-image compression based on tree-structured Markov random field segmentation and transform coding**

*Gelli, G.; Poggi, G.; Ragozini, A.R.P.;*

Geoscience and Remote Sensing Symposium, 1999. IGARSS '99 Proceedings. IEEE 1999 International , Volume: 2 , 28 June-2 July 1999

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**14 System considerations for multispectral image compression designs**

*Vaughn, V.D.; Wilkinson, T.S.;*

Signal Processing Magazine, IEEE , Volume: 12 Issue: 1 , Jan. 1995

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**15 Multispectral code excited linear prediction coding and its application in magnetic resonance images**

*Jian-Hong Hu; Yao Wang; Cahill, P.T.;*

Image Processing, IEEE Transactions on, Volume: 6 Issue: 11, Nov. 1997

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Image Processing, IEEE Transactions on , Volume: 8 Issue: 4 , April 1999

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TITLE: Spectral based color image editing

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Detailed Description Text - DETX (4):

The combined spectral signature of multiple illuminants,  $e$ , can be approximated by a linear combination of a smaller set of spectral basis functions,  $B_{\text{sub.}i}$ , where  $f$  is the number of basis functions and  $w_{\text{sub.}i}$  are the weights chosen to minimize the square error between the illuminant and its linear model approximation. ##EQU1##

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**1 A neural network learning algorithm for adaptive principal component extraction (APEX)**

*Kung, S.Y.; Diamantaras, K.I.;*

Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., 1990

International Conference on, 3-6 April 1990

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**2 Effects of multispectral compression on machine exploitation**

*Shen, S.S.; Lindgren, J.E.; Payton, P.M.;*

Signals, Systems and Computers, 1993. 1993 Conference Record of The Twenty-Seventh Asilomar Conference on, 1-3 Nov. 1993

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**3 Coding of spectrally homogeneous regions in multispectral image compression**

*Fernandez, G.; Wittenbrink, C.M.;*

Image Processing, 1996. Proceedings., International Conference on, Volume: 1, 16-19 Sept. 1996

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**4 A complex valued Hebbian learning algorithm**

*De Castro, M.C.F.; De Castro, F.C.C.; Amaral, J.N.; Franco, P.R.G.;*  
Neural Networks Proceedings, 1998. IEEE World Congress on  
Computational Intelligence. The 1998 IEEE International Joint  
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**5 Compression algorithms for classification of remotely sensed images**

*Tintrup, F.; De Natale, F.; Giusto, D.;*  
Acoustics, Speech, and Signal Processing, 1998. ICASSP '98.  
Proceedings of the 1998 IEEE International Conference on , Volume:  
5 , 12-15 May 1998  
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**6 Information Extraction, SNR Improvement, and Data Compression in Multispectral Imagery**

*Ready, P.; Wintz, P.;*  
Communications, IEEE Transactions on [legacy, pre - 1988] ,  
Volume: 21 Issue: 10 , Oct 1973  
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**7 Adaptive Principal component EXtraction (APEX) and applications**

*Kung, S.Y.; Diamantaras, K.I.; Taur, J.S.;*  
Signal Processing, IEEE Transactions on [see also Acoustics, Speech,  
and Signal Processing, IEEE Transactions on] , Volume: 42 Issue: 5 ,  
May 1994  
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**8 A joint band prioritization and band-decorrelation approach to band selection for hyperspectral image classification**

*Chein-I Chang; Qian Du; Tzu-Lung Sun; Althouse, M.L.G.;*  
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 37  
Issue: 6 , Nov. 1999  
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